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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/927,103	08/10/2001	Michael Priestley	CA920010055US1	3897

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EXAMINER

ABEL JALIL, NEVEEN

ART UNIT PAPER NUMBER

2175

DATE MAILED: 10/23/2003

16

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/927,103

Applicant(s)

PRIESTLEY, MICHAEL

Examiner

Neveen Abel-Jalil

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 August 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

DIANE D. MIZRAHI
PRIMARY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. The amendment filed on August 1, 2003 has been received and entered. Claims 1-21 are pending.
2. Amendment to the title is received and acknowledged.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blumer et al. (U.S. Patent No. 6,189,019) in view of Astiz et al. (U.S. Patent No. 6,035,330).

As to claims 1, 8, and 15, Blumer et al. discloses a computer program product for use in a computer system operatively coupled to a computer readable memory, the computer program product including a computer-readable data storage medium tangibly embodying computer readable program code for directing said computer to create and manage links amongst units of information based on a list of identifiers arranged in an hierarchical order wherein each identifier identifies an associated unit of information (See abstract, also see column 19, lines 15-38), said computer program product comprising:

code for instructing said computer system to store said list of identifiers (See column 11, lines 34-54);

code for instructing said computer system to examine said list of identifiers to determine the hierarchical order of said identifiers within said list of identifiers (See column 15, lines 1-24, wherein “identifiers” reads on “URL”);

code for instructing said computer system to link a unit of information to at least one other unit of information based on the relative hierarchical order of identifiers (See column 11, lines 54-67, and column 12, lines 1-18, also see column 14, lines 55-67, and see column 15, lines 24, wherein “hierarchical order” reads on “tree”) including:

an identifier identifying said unit of information (See column 13, lines 11-35, wherein “unit of information” reads on “document” or file); and

another identifier identifying said at least one other unit of information (See column 17, lines 44-54).

Blumer et al. does not teach wherein said list of identifiers has a predetermined relative hierarchical order to direct said link management system in the creation of said links.

Astiz et al. teaches wherein said list of identifiers has a predetermined relative hierarchical order to direct said link management system in the creation of said links (See column 11, lines 4-67, also see figure 9, 58, map site and store map in map database, also see figure 6).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified Blumer et al. to include wherein said list of

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identifiers has a predetermined relative hierarchical order to direct said link management system in the creation of said links.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Blumer et al. by the teaching of Astiz et al. to include wherein said list of identifiers has a predetermined relative hierarchical order to direct said link management system in the creation of said links because creating a hierarchical map for inserting and storing existing and new links provides for efficient and faster data access and navigation.

As to claims 2, 9, and 16, Blumer et al. as modified discloses wherein:

said units of information are units of target information; each said identifier of said list of identifiers is adapted to identify source information content of a unit of source information (See column 6, lines 20-42, wherein "source" reads on "location", lines , also see column 5, lines 44-67, and column 6, lines 1-9, wherein "target information" reads on "document or script" or any other object established by the message request); the system further comprises:

means for generating said units of target information See figure 6, 601, shows "means for generating" represented by "server provides list", also shows "units of target information" represented by "list of documents on the Web");

means for examining said list of identifiers to identify said source information content assigned to a unit of target information (See column 11, lines 34-63); and

means for inserting said source information content into a unit of target information (See figure 10, 1005, shows "means for inserting" represented by "insert", also shows "one source information content " represented by "Item", and shows "a unit of target information"

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represented by “outline”, also see figure 9, 905, shows “means for inserting” represented by “follow links found on homepage and add item under homepage for each page found at first level”, also see Astiz et al. column 12, lines 1-36) based on the identifier of said unit of target information identifying said source information content (See column 6, lines 20-55, wherein “source” reads on “location”).

As to claims 3, 10, and 17, Blumer et al. as modified discloses wherein a plurality of source information content is assigned to a unit of target information (See column 13, lines 25-64, wherein “plurality of source information content” reads on “URL dictionary for the document object”).

As to claims 4, 11, and 18, Blumer et al. as modified discloses wherein:

said units of information are units of target information (See column 11, lines 19-46); each said identifier of said list of identifiers is adapted to identify source information content of a unit of source information assigned to a unit of target information (See column 5, lines 44-667, and column 1-11, wherein “unit of target information” reads on “documents or file”, and wherein “identifier” reads on “URL”, and wherein “source information” reads on “server information, and possible data content”, also see column 6, lines 35-37); said list of identifiers (See Astiz et al. figure 10, 88, record processed hyperlinks in a table) further comprises:

a first subset of identifiers (See figure 4, 401, shows “a first subset of identifiers “ represented by “key”) for identifying said units of target information to be generated by said

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system (See figure 4, 407, shows “identifying said units of target information” reads on “pointer to doc. Structure”), said first subset hierarchically ordered to indicate preferred linking of said units of target information (See column 15, lines 20-61);

a second subset of identifiers (See figure 4, 407, shows “a second subset of identifiers” represented by “value”) for identifying said source information content to be inserted into said units of target information identified by said first subset of identifiers (See column 15, lines 1-19, wherein “identifying” reads on “URL”, and wherein “unit of target information” reads on “retrieve the associated document”);

said means for linking is adapted to link a unit of target information to at least one other unit of target information based on the relative hierarchical order of identifiers (See column 11, lines 34-54, also see column 16, lines 34-48, wherein “adapting” reads on “URL for the new focus”, also see column 15, lines 20-41, also see Astiz et al. column 5, lines 24-67, and see Astiz et al. column 6, lines 1-20) including:

an identifier of said first subset for identifying said unit of target information; at least one other identifier of said first subset for identifying said at least one other unit of target information (See column 16, lines 23-64, wherein “at least one other identifier” reads on “links to other documents”); and said system further comprises:

means for generating said units of target information (See figure 6, 601, shows “means for generating” represented by “server provides list”, also shows “units of target information” represented by “list of documents on the Web”, also see Astiz et al. column 9, lines 31-60); and

means for inserting at least one source information content into a unit of target information (See figure 10, 1005, shows “means for inserting” represented by “insert”, also

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shows “one source information content “ represented by “Item”, and shows “a unit of target information“ represented by “outline”, also see figure 9, 905, shows “means for inserting” represented by “follow links found on homepage and add item under homepage for each page found at first level”, also see Astiz et al. column 12, lines 1-36) based on an identifier of said second subset identifying said at least one source information content (See column 6, lines 20-55, wherein “source” reads on “location”).

As to claims 5, 12, and 19, Blumer et al. as modified discloses wherein said list of identifiers further includes a third subset of identifiers for identifying links for inter-linking units of target information (See column 16, lines 23-33, wherein “a third subset of identifiers” reads on “document icon”, also see Astiz et al. column 13, lines 34-48).

As to claims 6, 13, and 20, Blumer et al. as modified discloses wherein the means for linking is adapted to inserting URL links (See column 15, lines 1-11, also see column 16, lines 34-48, wherein “adapting” reads on “URL for the new focus”).

As to claims 7, 14, and 21, Blumer et al. as modified discloses wherein said identifiers of said list are data tags of a markup language (See column 20, lines 52-53, also see column 2, prior art, lines 49-59).

Response to Arguments

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5. Applicant's arguments with respect to claims 1-21 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Chu et al. (U.S. Patent No. 6,356,913 B1) teaches generic and dynamic database schema.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neveen Abel-Jalil whose telephone number is 703-305-8114.

The examiner can normally be reached on 8:00AM-4: 30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Neeven Abel-Jalil
October 14, 2003

DIANE D. MIZRAHI
PRIMARY PATENT EXAMINER
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